



# *Southern Rockies Fire Science Network*

*Sharing fire knowledge from mesas to mountains*

***Introduction to SRFSN***

***Key projects and products***

***Knowledge Exchange + Dialogue = Solutions for managers & landowners, potential research grants for scientists***

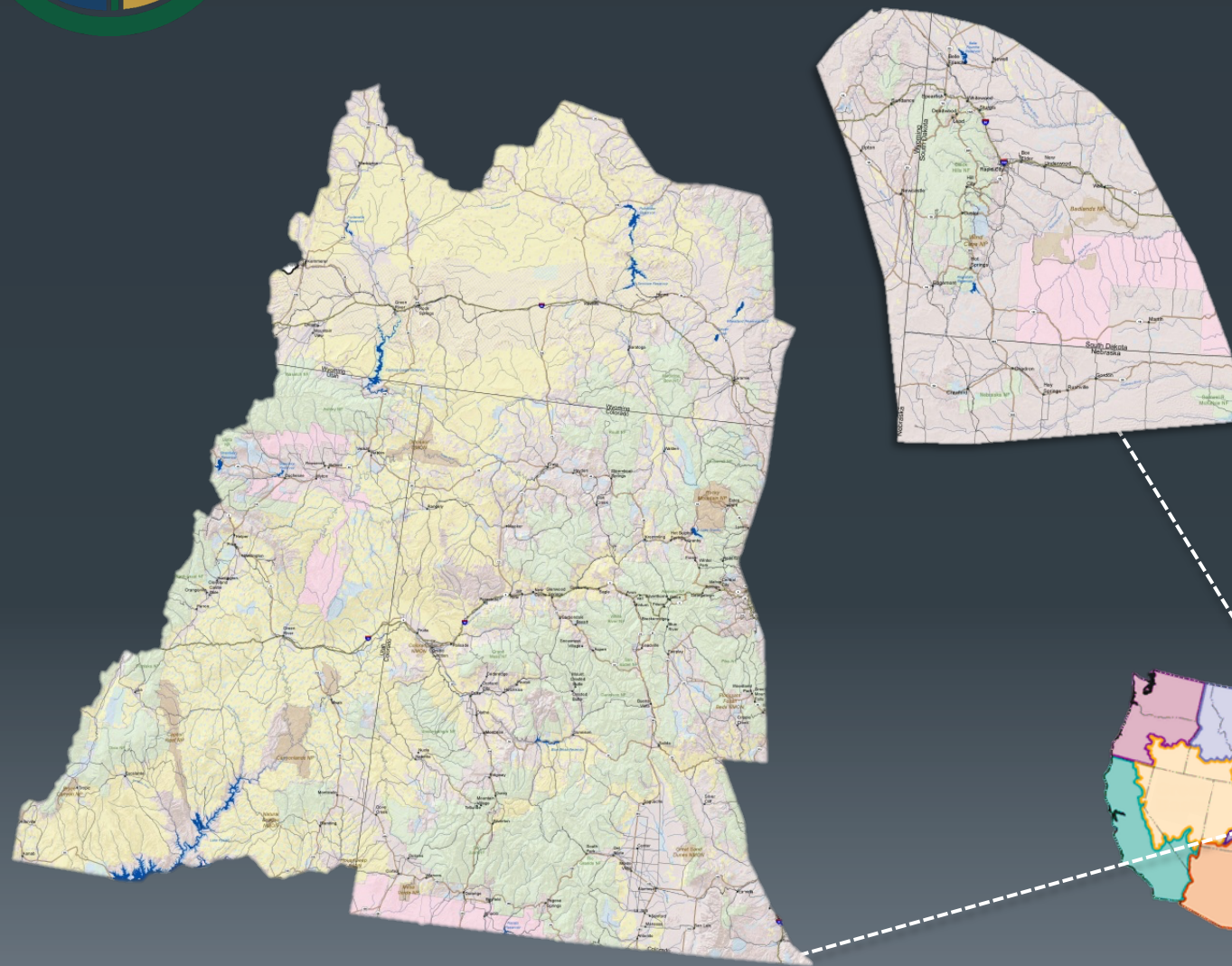


# Who is So-Rock?





# Where is Our Focus?



## Habitat Types

- Subalpine
- Lodgepole
- Ponderosa Pine
- Oak/Shrub
- Grasslands
- Sagebrush
- Pinon/Juniper
- Desert/Redrocks





# Major Issues in Our Region



Smoke and Air  
Quality

Fire-Adapted  
Communities &  
Fire Response

Fuels  
Management  
and Effectiveness

Sagebrush & Fire

Wildlife and Feral  
Animals

Landscape  
Restoration  
& Resilience

Collaboration and Education





# Outreach and Collaboration



## Online Information

Wildfire research, events, and news

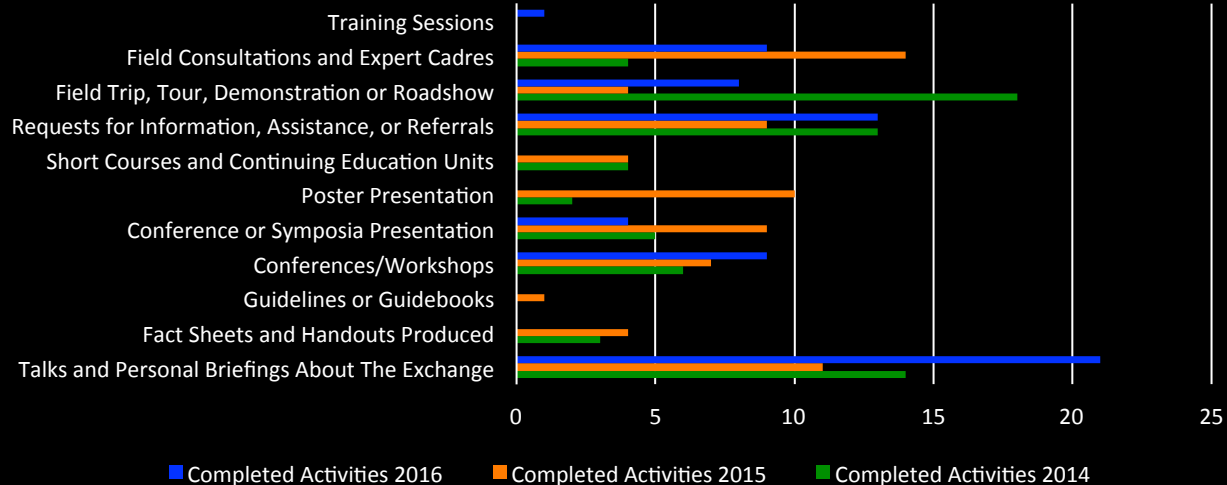
## Face-to-Face Events

Foster solutions through workshops, presentations, field trips, webinars, and conferences

## Partnerships and Networking

Work closely with community groups, regional agencies, NGOs, universities and other fire science networks

SRFSN Activities 2014-2016

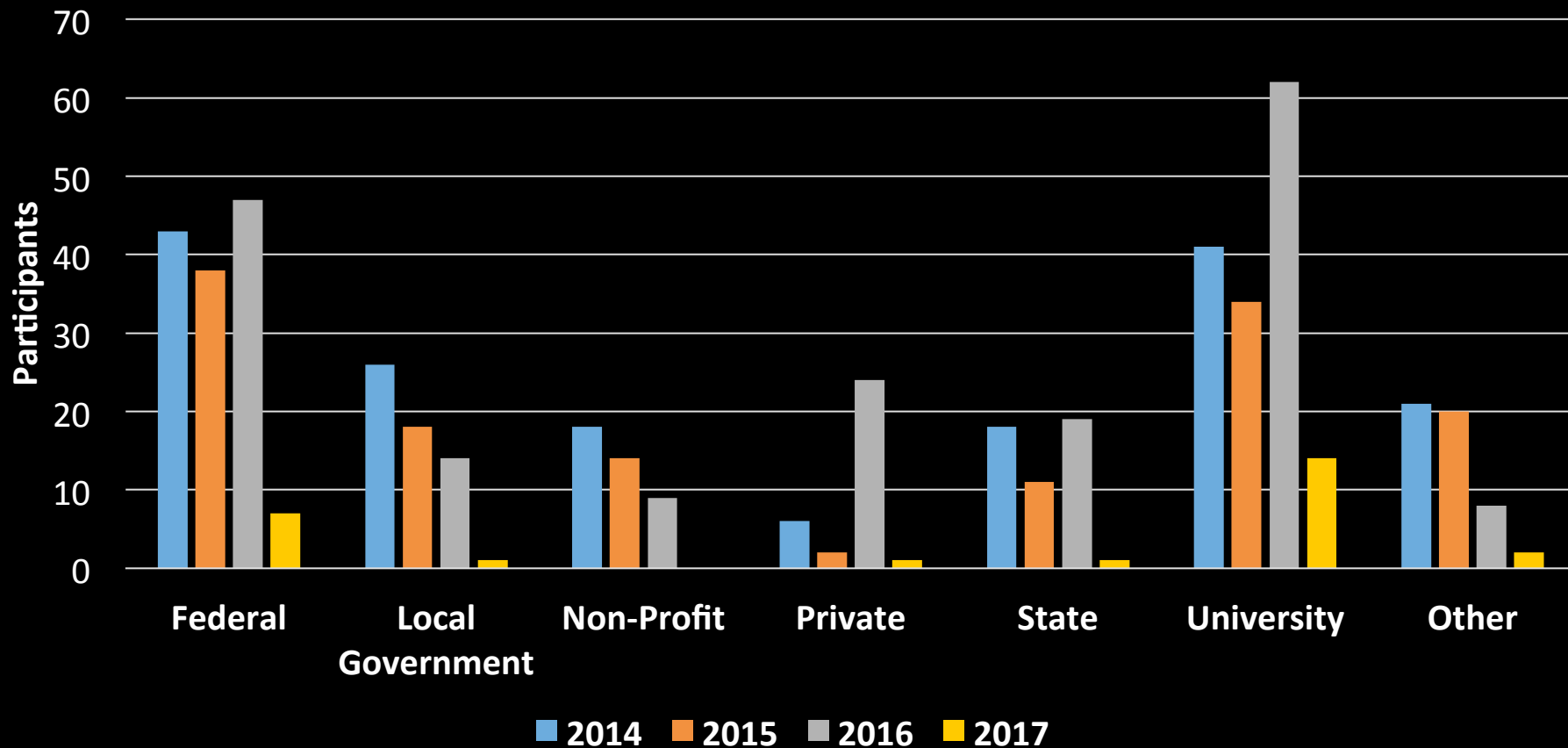




# We're growing...



## Primary Affiliation by Year Registered





# YouTube Channel Resources





# Online Resources



*E-News (sign up in hallway):*

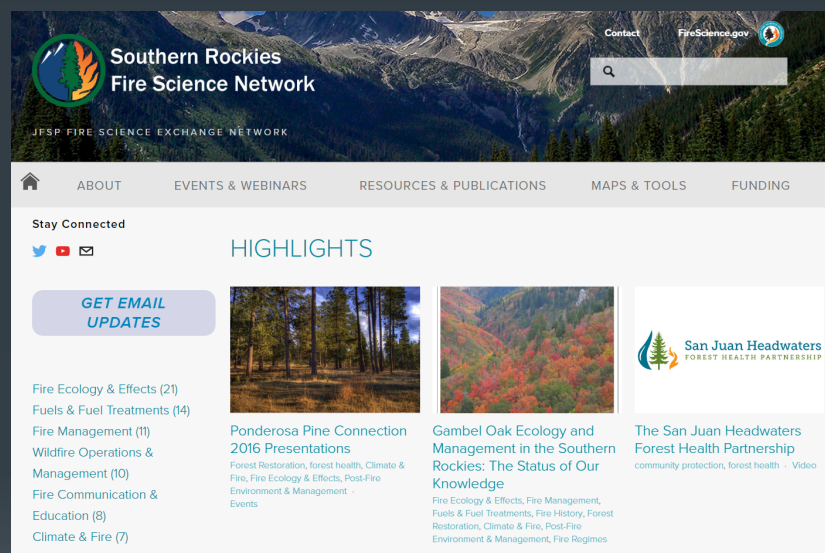
*[www.southernrockiesfirescience.org](http://www.southernrockiesfirescience.org)*



**SOUTHERN ROCKIES  
FIRE SCIENCE  
NETWORK**

Ecology, Operational and Fire Management Trainings & Conferences, Managing Pine Beetles, & Global Effect of Wildfire.

Twitter Website Email LinkedIn



**Southern Rockies  
Fire Science Network**

JFSP FIRE SCIENCE EXCHANGE NETWORK

ABOUT EVENTS & WEBINARS RESOURCES & PUBLICATIONS MAPS & TOOLS FUNDING

Stay Connected

**HIGHLIGHTS**

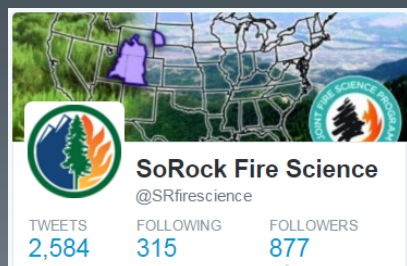
**GET EMAIL UPDATES**

Fire Ecology & Effects (21)  
Fuels & Fuel Treatments (14)  
Fire Management (11)  
Wildfire Operations & Management (10)  
Fire Communication & Education (8)  
Climate & Fire (7)

**Ponderosa Pine Connection 2016 Presentations**  
Forest Restoration, forest health, Climate & Fire, Fire Ecology & Effects, Post-Fire Environment & Management - Events

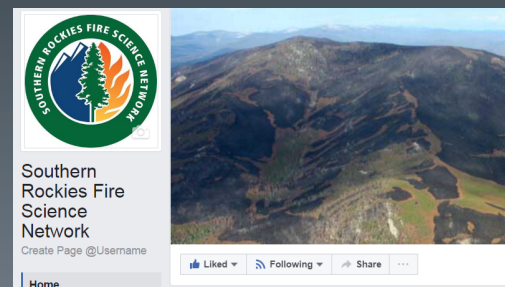
**Gambel Oak Ecology and Management in the Southern Rockies: The Status of Our Knowledge**  
Fire Ecology & Effects, Fire Management, Fuels & Fuel Treatments, Fire History, Forest Restoration, Climate & Fire, Post-Fire Environment & Management, Fire Regimes

**San Juan Headwaters Forest Health Partnership**  
community protection, forest health - Video



**SoRock Fire Science**  
@SRfirescience

TWEETS 2,584  
FOLLOWING 315  
FOLLOWERS 877



**Southern Rockies Fire Science Network**  
Create Page @Username

Home





# Gambel Oak Knowledge Assessment Project



Poorly understood in CO and UT; presents significant management issues

- WUI, Fire Behavior, pre- and post-fire ecology, and wildlife habitat and grazing
1. Assess current knowledge and research gaps
  2. Build face to face and online engagement

*Regional issues:*

- *fuels management and effectiveness*
- *FAC and Fire Response*
- *Landscape restoration*





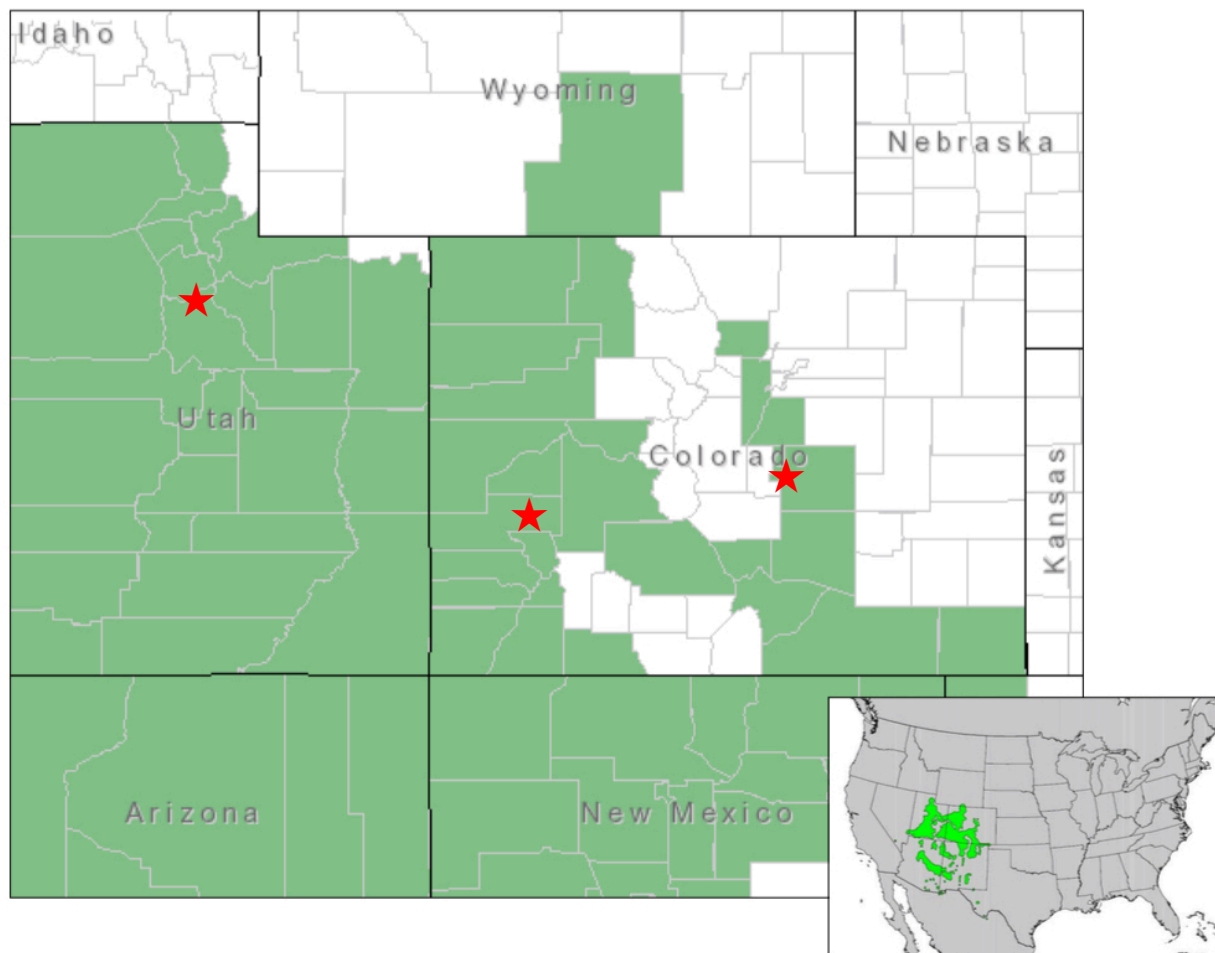
# Gambel Oak Knowledge Assessment Project







# Gambel Oak Knowledge Assessment Project





# Research Needs



1. Gambel oak community classifications and descriptions
2. Fundamental ecology of oak and associated tree and mountain shrub communities
3. Consequences of climate change
4. Fire behavior and ecological effects of fire
5. Treatment effectiveness for meeting long-term management objectives



*Key Points on known Gambel oak communities, long-term ecology, adaptation, reproduction, fire ecology, & treatment effects.*





# BMP's, Guidelines for Mulched Fuels, Front Range, CO



- Chipped and masticated fuels **widespread** throughout the southern Rockies region = ecological, management, and safety issues
- Identified as a **priority issue** by Front Range Roundtable, Southern Rockies Fire Science Network, & Colorado Forest Restoration Institute
- **Stakeholders** producing guidelines on best management practices based on fuels studies on Front Range
- Basis document as **foundation** for region-wide documents and workshops

Mastication

Chipping

Lop and Scatter

Burn Piles

*Ecological effects*  
*Wildfire behavior*  
*Safety*





# CO Wildland Fire Conference



*[www.wildfire-colorado.com](http://www.wildfire-colorado.com)*



## Colorado Wildland Fire Conference 2017

### Fire Adapted Communities:

Moving from Awareness to Action,  
Messaging to Mitigation, & Words to Work

**SAVE THE DATE!**

**APRIL 19-21, 2017**  
**Pueblo, Colorado**

This year's conference will expand on the Fire Adapted Communities concept, providing the framework for moving from awareness to action, messaging to mitigation, and words to work. Anyone wishing to learn more about how they can reduce their community's vulnerability to wildfire is welcome to attend.

**PUEBLO CONVENTION CENTER 320 CENTRAL MAIN ST. PUEBLO, COLORADO**



# Key Take-Aways

- JFSP Exchange Service that “adapts to gaps” – evolving constructive exchange for solutions in management
- Provide on-going support: continuing services such as workshops, forwarding research needs, funding searches, publications, trainings, and field trips
- Publications provide foundations for future resources, can augment with future research, discoveries and options
- Flexible online resources can provide archives and forums for specific issues

*How can we help YOU?*





# Questions?

